

Federation of Earth Science Information Partners Partnership Application

Please complete all sections to the fullest extent possible and forward completed application to: Carol Meyer, carol.meyer@earthsciencefoundation.org. If you have any questions, please contact her at 877.870.3747.

I. CONTACT INFORMATION

A. Primary Contact/Principal Investigator

Name: Peter Mulvaney
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B. Designated Assembly Representative (could be same as above)

Name: Peter Mulvaney
Address: Same as above
Phone:
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C. Other Contacts

Name: Joyce Coffee
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Name:
Address:
Phone:
Fax:
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Name:
Address:
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II. ABOUT YOUR ORGANIZATION

A. ORGANIZATION/DIVISION/PROJECT NAME:

The City of Chicago via the Chicago Climate Action Plan.

B. OVERVIEW OF YOUR PRIMARY ACTIVITIES in regards to the Earth Sciences Community (200 words or less)

The Chicago Climate Action Plan establishes mitigation goals and adaptation strategies. Dozens of partners have contributed to the development of the strategies, and the City of Chicago has been implementing changes and adaptations under a no regrets policy to improve our resiliency, flexibility and quality of life.

We have completed a risk analysis due to climate change, downscaled GCM models to Chicago region, and aggressively pursuing many adaptation changes from ordinances to infrastructure, behavior to built environment.

C. Please list and briefly describe the primary product(s) or service(s) that your organization provides (will provide) to the Earth Sciences community.

We can offer practical implementation lessons. We can offer insight in the decision making process inters of how to mitigate and adapt. We can provide the Federation a sounding board for how data may be useful. We are willing to experiment, to learn and participate in improving the urban environment through quantitative data. We can share our considerable GIS data for the Chicago area.

D. Please give a main website address for the proposed Partnership:

Web Address: www.chicagoclimateaction.org

III. HOW YOUR ORGANIZATION WILL BENEFIT FROM/CONTRIBUTE TO THE EARTH SCIENCE INFORMATION PARTNERS (ESIP) FEDERATION

- A. Describe current or anticipated users of your products and services and how you think the Federation can help you better serve this population. (200 words or less)

We interface with other municipalities globally, who are interested in learning lessons from Chicago's experience in adopting climate change policies. We have quality of life for our residents as our primary stakeholder value. The better informed our tools and decision making data, the better we can serve these communities which may not have the same resources, and the better we can serve our residents. We want to promote behavioral changes that make a difference. We want to improve managerial processes to include a future with a different climate. We want to allocate our budget in a way that is informed by science. The Federation can assist in gathering and analyzing data that influences and establishes the foundation for all the above.

- B. Describe any Earth science technologies that you have developed and are willing to bring to the Federation's efforts to provide best-practices. (200 words or less)

I am not sure exactly, perhaps our downscaled modeling would be of interest. Perhaps our analysis of GIS layers or the layers themselves. Perhaps our processes of incorporating climate data would be of interest.

- C. Describe how your proposed membership would contribute to the efforts and the mission of one or more standing committees, working groups and/or clusters. See Page 3 for descriptions of the different activities of the various standing committees, working groups, and clusters. (200 words or less)

Community Engagement: we could assist in community engagement at several scales, metro, regional and neighborhood.

Education: We could provide a conduit to the Chicago School System.

- D. Describe your own use of Earth science information and data and how you would see this use enhanced by your partnership in the Federation. (200 words or less)

We have reasonably sophisticated Urban Heat Island data from satellite, from this we have developed or adjusted a wide range of actions, including a tree planting strategy, shading requirements of new development, environmental justice, etc.

We have sophisticated sewer modeling, in order to determine risk of basement flooding we use topographic data from satellites so we can ascertain average basement depth relative to the sewer.

We have a wide range of data from aerials, some from satellite, some from aircraft. We would like to know more about what is available and how to use it.

IV. YOUR CHOICE OF MEMBERSHIP TYPE. PLEASE PICK ONE.

ESIP-I (primarily a data center/archive) ☐

ESIP-II (primarily a research center) ☐

ESIP-III (primarily applications and education) XX☒

ESIP-IV (primarily a sponsoring member) ☐

V. Any other comments about your proposed membership and its relation to the Federation that you wish to provide.

The Chicago Climate Action Plan is a governing strategy for Chicago, the leadership of the plan is governed by a panel of private sector volunteers from companies such as Boeing, to influential individuals. Few City employees are dedicated to the program full time (2-3 full time) but many of the policies developed are carried out as a matter of course by City staff. The planners also have a large workforce of consultants, interns and volunteers.

Thank you for your application for partnership in the ESIP Federation.

List of Federation Committees and Clusters

Administrative Committees

Executive Committee: Comprised of all standing and administrative committee chairs, ESIP Type Representatives, the President and Vice President of the Federation. Oversight body for most day-to-day activities of the Federation, acts on behalf of the Assembly between meetings.

Constitution and Bylaws: Provides counsel on matters related to the constitution and bylaws and other related issues (e.g. amendments to government documents)

Finance and Appropriations: Oversees financial resources of the Federation, including the annual budgeting process.

Partnership: Reviews and processes all applications for membership before making applications available for review by members of the Federation. Deals with other membership-related issues.

Standing Committees:

Commercial Development: Promotes a forum wherein commercial development of Earth science information can be fostered. (inactive)

Community Engagement: Provides a forum for the Federation to promote partner products and to engage new users for data products and services. (inactive)

Education: Provides a forum to make accessible to educators and learners at all levels in both formal and informal educational contexts the Earth science data, information, tools, and curricula available within the ESIP Federation.

Information Technology and Interoperability: Provides a forum for discussing information technology and interoperability issues of the Earth science community and serves as a central point for activities in this realm.

Products and Services: Provides a forum for defining best practices and defining requirements for earth science products and services. Currently is involved in developing an inventory of partner products and services.

Clusters (presently active, April 2009):

Web Services
Semantic Web
Data Preservation and Stewardship
Decisions
Air Quality
Federated Search
Water